

GENERAL DESCRIPTION

IZOGOLD-15 is a high performance multi-ply pre-fabricated torch applied SBS modified bituminous membrane, reinforced with non-woven polyester and top surface finished with polyethylene film or fine sand, or UV protected with mineral stone or aluminium foil.

Izomaks waterproofing compound is formulated by Blended with selective grade of bitumen modified with styrene butadiene styrene (SBS) polymers that provide an Elastomeric property, when combined with its polyester reinforcement, it confers high tensile strength, elongation and tear resistance. It has excellent dimensional stability and low cold flexibility up to -15°C.

APPLICATION AREAS

IZOGOLD-15 is ideal for different types of waterproofing areas, such as:

- Waterproofing and damp-roofing of backfilled foundations
- Waterproofing of underground basements against permanent water submersion including pile capping and under raft foundations
- Waterproofing of retaining walls
- Waterproofing of flat roofs, balconies, terraces and wet areas.
- For exposed roofs it is recommended to use 2 layers, the second one being protected with Mineral stone or Aluminum foil.

FEATURES

- Torch applied quick melt easy to use.
- High performance even in cold weather.
- High tensile, elongation and tear strength.
- Excellent adhesion strength when applied with **PRIMER D41**
- High impact and puncture resistance.
- Resists attack from salt and alkalis.

QUALITY CONTROL

IZOMAKS INDUSTRIES L.L.C. Manufacturing facility is controlled by highly qualified technical team and certified QMS-ISO 9001:2015, HMS-ISO 45001:2018 and EMS-ISO 14001:2015.

TOOLS REQUIRED

Gas torch, Gas cylinder, measuring tape, trowel, knife, marking string etc.

APPLICATION METHOD

SURFACE PREPARATION

All surface imperfections and protrusions are to be removed and repaired. Final surface must be clean, dry, free from dust, oil and grease, laitance or other contaminations. The surface should be sound with no cracks and loose particles.

SURFACE PRIMING

The entire surface must be primed by solvent based bituminous primer in compliance with ASTM D-41 **PRIMER D-41**.

APPLICATION LIMITATION

- Use smooth and flat safety shoes and other required safety tools.
- Do not install on moist surfaces and rainy weather.
- Avoid overheating.
- Avoid stepping/walking over hot applied membrane.

INSTALLATION METHOD

IZOGOLD-15 is recommended to be installed in multi layers.

- Unroll **IZOGOLD-15** membrane in a straight line ensuring side laps of minimum 10cm and end laps of 15cm, then re-roll keeping rolls aligned.
- Make sure that the heat will melt only the PE films and asphalt compound is sufficiently softened.
- Ensure that melted bitumen is clearly overflowing the side and end lap.
- The entire corners, pipes, beams and columns section should be waterproofed by cut and fit methods prior to the installation of the general surface.
- The mineral surfaces should be used for exposed areas either horizontal or vertical surfaces.

PACKAGING

IZOGOLD-15 is manufactured under standard size and rolls are palletized and covered with a shrink-wrapped.

STORAGE AND HANDLING

- Keep the material in dry, cool ventilated and shaded areas for not more than 12 months.
- Do not store exposed in the sun or humid areas.
- Do not store pallet above the pallets.

AVAILABLE SIZES

Thickness $\pm 0.2\text{mm}$	Size $\pm 1\%$
3 and 4mm	1x10meters
5mm	1x8meters

TECHNICAL CHARACTERISTICS

Properties	Typical values			Tolerance	Test method
Reinforcement	180g/m ²	200g/m ²	250g/m ²		ASTM D 5147
Cold flexibility	-15°C	-15°C	-15°C	$\pm 20\%$	ASTM D 5147
Maximum tensile force (23 $\pm 2^\circ\text{C}$)					
Longitudinal	800N/5cm (16KN/m)	900N/5cm (18KN/m)	1100N/5cm (22KN/m)	$\pm 20\%$	UEAtc 2001 (ASTM D 5147)
Transversal	600N/5cm (12KN/m)	700N/5cm (14KN/m)	800N/5cm (16KN/m)	$\pm 20\%$	
Ultimate elongation					
Longitudinal	50%	50%	60%	$\pm 15\%$	ASTM D 5147/ UEAtc 2001
Transversal	50%	50%	60%	$\pm 15\%$	
Shear resistance of joints					
Longitudinal	750N/5cm	850N/5cm	900N/5cm	$\pm 20\%$	UEAtc 2001
Transversal	550N/5cm	600N/5cm	600N/5cm	$\pm 20\%$	
Tear strength					
Longitudinal	500N	600N	700N	$\pm 20\%$	ASTM D 4073
Transversal	400N	450N	550N	$\pm 20\%$	
Softening point (mixture)	120-130°C	120-130°C	120-130°C		ASTM D36
Penetration @25°C (mixture)	20-30dmm	20-30dmm	20-30dmm		ASTM D5
Compound stability	No flowing, no dripping at 102°C	No flowing, no dripping at 102°C	No flowing, no dripping at 102°C		ASTM D 5147
Puncture resistance					
To Static load	L20	L25	L25		UEAtc 2001 UEAtc 2001
To impact	I15 (1750mm)	I10 (1000mm)	I10 (1200mm)		
Resistance to puncture	800N	1100N	1200N	$\pm 10\%$	ASTM E 154
Water absorption	<3.2%	<3.2%	<3.2%		ASTM D 5147
Water absorption @23 $\pm 2^\circ\text{C}$ at 24hrs	<1%	<1%	<1%		ASTM D 5147

DISCLAIMER

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NOTE

The above shown technical data are results obtained in laboratory and extra data can be provided upon request.

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